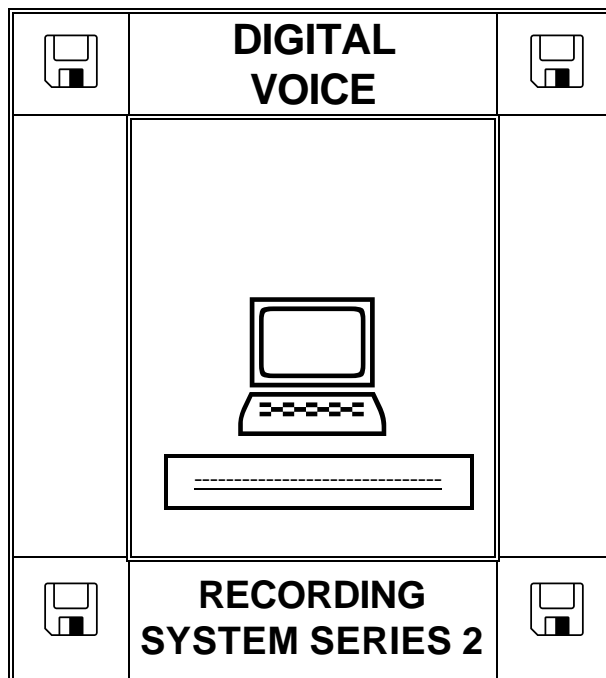


Implementation Guide

for

Digital Voice Recording System Series 2 (DVR2)



AND-320
July 2002

DVR2 FIELD DEPLOYMENT NOTES

GENERAL

This Implementation Guide is intended to highlight the most significant activities of the DVR2 field implementation process. The TI 6670.12, "Technical Manual for Digital Voice Recording System Series 2, Volume I, Rev. D" may be downloaded and viewed at the AND-320 website:

<http://www.faa.gov/and/and300/and320/320home.htm>.

PRE-INSTALLATION

◆ Site Preparation

The government is responsible for the following actions prior to delivery of equipment:

1. Identify and provide floor space for recorder racks.
2. Provide a single phase, 115 V AC, power cable to the recorder rack location
3. Provide audio lines to the recorder rack location.
4. Provide an asbestos free floor space for drilling rack mounting holes
5. Provide bench/desk top space for sites receiving remote reproducers.
6. Locate installation site for the global positioning satellite (GPS) antenna.
7. Identify cable path for GPS cable installation.

◆ Equipment Delivery

The contractor usually delivers the equipment the day prior to the scheduled installation. Before the shipment is made the contractor will notify the point-of-contact listed on the facility worksheet. To prevent delays, the receiving organization should check the name and telephone number on the worksheet and submit any required changes.

Note: The contract specifies equipment delivery to the location where the equipment is to be installed. On rare occasions the shipper attempted to leave the equipment on the loading platform.

The person accepting delivery for the government must insist that the entire shipment is delivered to the designated location.

◆ Unpacking and Inspection

After equipment inventory and checkout by contractor personnel in the presence of the designated FAA regional technical officer's representative (TOR) the contractor installer will commence installation activities. All delivered items are to be checked against the enclosed packing list.

◆ DVR2 project points of contact.

1. Overall project management: Clarissa Riffe 202-493-4793
2. Logistics and training: George Clark 202-493-4789

3. Regional site preparation funding: Amy Lopez 202-493-4798

INSTALLATION AND TRAINING

◆ Installation

Equipment installation by the contractor usually starts on a Tuesday after equipment delivery on Monday. Government participation is limited to monitoring contractor performance. Normally all installation is completed at midday on Wednesday.

◆ Contractor Acceptance Inspection (CAI)

The system is accepted for the government after all equipment installation is completed and operational proficiency of the equipment has been demonstrated to the limit specified in the contract. The person accepting the system for the government is the designated technical officer's representative (TOR) listed on the facility worksheet. This completes all contractor installation activities and the system is ready to be used for operator and maintenance training.

◆ Joint Acceptance Inspection (JAI) -- FAA Only

Local FAA representatives accept the system after completion of the JAI in accordance with the current version of **Order 6020.2, Joint Acceptance Inspection for FAA Facilities**.

After successful completion of the JAI the system is certified fully operational and becomes part of the National Airspace System.

◆ DoD Acceptance Inspection

The local DoD representative accepts the system after completion of acceptance inspection criteria specified by appropriate military organizations.

◆ Training

The 40-hour DVR2 training course is composed of two parts; a 12-hour operator course and a 28-hour maintenance course. At certain sites, the contractor will provide both operator training for AT and AF personnel as well as maintenance training for AF technicians. These sites are identified in the DVR2 delivery schedule. At all other sites, only the 12-hour operator course for AT personnel will be taught by the contractor. AF personnel will receive operator and maintenance training at the FAA Academy.

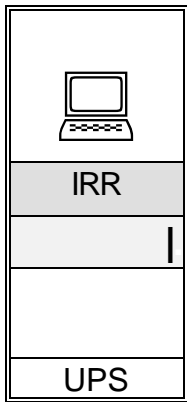
Prerequisites: Working knowledge of Microsoft Windows 95.

Before start of on-site training classes the government is responsible to provide the following:

1. Adequate classroom space, (operator only or full training),
2. A view-graph projector,

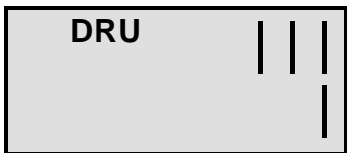
For selected sites the 12-hour operator course is conducted on-site usually, after completion of CAI. At sites with less than 192 channels being installed, CAI is usually completed by Wednesday noon and training can start that afternoon. This completes the operator portion of training and AF students will continue with the maintenance portion of the course the following Monday morning. At large sites (192 channels and larger) all on-site training will start on Monday following installation and run through Friday. AF personnel not scheduled for on-site training will receive operator and maintenance training at the FAA Academy.

DIGITAL VOICE RECORDING SYSTEM SERIES 2 (DVR2)



MINIMUM DVR2 CONFIGURATION (24 CHANNELS) CONSISTS OF:
THE CONTROL RACK WITH **ONE** CENTRAL PROCESSING UNIT (**CPU**),
ONE DIGITAL RECORDING UNIT (**DRU**) CONTAINING **ONE** 24-CHANNEL
PLUG-IN MODULE, AND THE INTEGATED REPRODUCER (**IRR**).

Maximum capacity of one DRU = 96 channels (4 x 24)

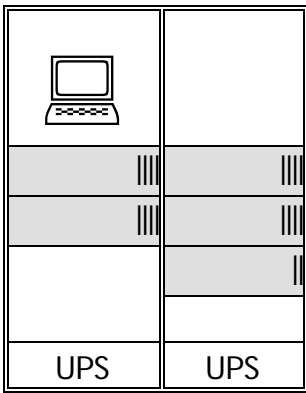
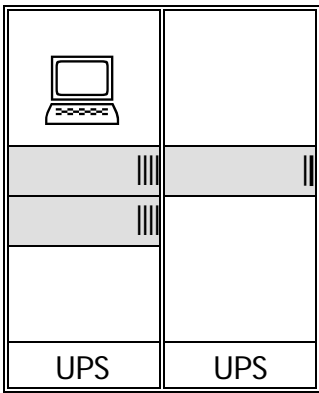
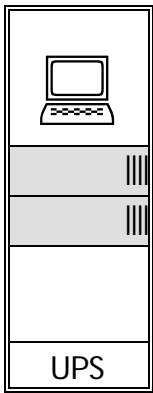
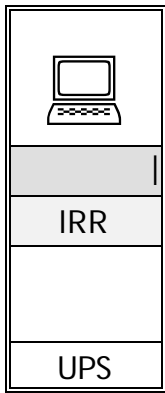


Each vertical line represent one 24-channel module

A fully loaded control rack contains the CPU, two full DRUs (each with four plug-in modules for a maximum of 192 channels), and the un-interruptible power supply.

The additional second rack can hold up to 240 additional channels.

DVR2 CONFIGURATIONS



MIN 1
RACK

24 channels

MAX 1
RACK

192 channels

MIN 2 RACKS

240 channels

MAX 2 RACKS

432 channels

DVR2 Digital Recorder Unit Configuration

